

Compact benchtop pumping unit with digital speed control

Technical Data Sheet

Models:

PPS100166A

PPS100326A



1. General Description

Compact benchtop pumping unit with digital speed control for continuous and accurate transfer of liquids.

2. Application and Usage

Continuous and accurate transfer of liquids in laboratory, research and development, hydroponic, and horticultural applications.

Not to be used for clinical trials or for products intended for human consumption.

3. Features

- Digital speed control
- Illuminated on/off switch
- Replaceable internal tube

4. Specifications

Model	PPS100166A	PPS100326A
Minimum flow rate*	0.001 ml/min	0.1 ml/min
Maximum flow rate*	42.0 ml/min	134.0 ml/min
Internal tube ID	1.6 mm 1/16"	3.2mm 1/8"

MAIDEN'S WELL

Inlet/outlet tubing (recommended size)	ID 1.5 – 1.6 mm	ID 3.0 – 3.2 mm
No. of rollers	6	
Pump speed	0-350 rpm	
Pump driver	Stepper motor	
Speed control accuracy	0.1%	
Flow accuracy	1-5%	
Pump rotation	Counterclockwise, non-reversible	
Dimensions (L x W x H)	163 mm x 134 mm x 160 mm 6.4" x 5.3" x 6.3"	
Weight	1.02 kg 2.25 lbs.	
Motor power	36W	
Power supply	24V DC 3A, 5.5 mm x 2.5 mm, center positive	
Materials	Housing	ABS plastic
	Internal tube	BPT
	Rollers	PET plastic
Operating temperature	0-45 °C 32-113 °F	
Humidity	< 70% non-condensing	
Noise rating	52dB at 0.5m	
IP rating	IP 22 as per IEC 60529	

*Measured using water at 20°C at atmospheric pressure and inlet/outlet tubing of ID 1.6mm, 2.0mm, and 3.0mm. Actual flow rates will vary depending on liquid being transferred, size of inlet/outlet tubing, environmental conditions, and condition of internal tube. Minimum flow rates are applicable to a period of at least 30 minutes.

5. Warranty

6 months (excluding replaceable internal tube).

6. Sales and Technical Support

Sales: sales@maidenswell.com

Technical support: support@maidenswell.com